

KATSEVICH, K. A.

K. A. Katsevich, V. A. Adol'f, I. V. Novitskiy, et al., Traktor KhTZ-7 (The KhTZ-7 Tractor), Selkhozgiz, 23 sheets.

The booklet describes the construction and regulation of the garden-and-truck farm tractor KhTZ-7, gives instructions for the operation and maintenance of the tractor, treats the construction of a shed system for agricultural machines working with the KhTZ-7 tractor, and gives the technical data of the tractor, rules for washing and parking it, a table of the principal assembly tolerances, and other information.

SO: U-6472, 18 Nov 1954

KATSEVICH, L. S., ENGR

Dissertation: "Basic Problems of the Rational Calculation of Industrial Electric Resistance Furnaces." Cand Tech Sci, Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov, 16 Apr 54. (Vechernaya Moskva, Moscow, 7 Apr 54)

SO: SUM 243, 19 Oct 1954

LEV, S.S., inzhener; KATSEVICH, L.S., kandidat tekhnicheskikh nauk, redaktor; STARICHKOV, V.P., redaktor; MEDVEDEV, L.Ya., tekhnicheskiy redaktor

[Spot welding the heavy reinforcement of reinforced concrete constructions and testing the durability of welded seams] Rezhimy techechnoi svarki tiazheloi armatury zhelezobetonykh konstruktsii i ispytanie prochnosti svarnykh soedinenii. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1954. 30 p. (MLRA 8:5)
(Electric welding) (Reinforced concrete)

PETROV, A.K.; SPERANSKIY, V.G.; KHIZHNICHENKO, A.M.; SHILYAYEV, B.A.;
DANILOV, A.K.; BORODULIN, G.M.; ZAMOTAYEV, S.P.; MARKARYANTS, A.A.;
SOLNTSEV, P.I.; SMIRNOV, Yu.D.; VAYNBERG, G.S.; OKOROKOV, N.V.;
KOLOSOV, M.I.; SEL'KIN, G.S.; MEDOVAR, B.I.; LATASH, Yu.B.;
YAFROYMOVICH, Yu.Ye.; VINOGRADOV, V.M.; SVEDE-SHVENTS, N.N.;
SKOROKHOD, S.D.; KATSEVICH, L.S.; SHTROMBERG, Ya.A.; MIKHAYLOV,
O.A.; PATON, B.Ye.

Reports (brief annotations). Biul. TSNIICHM no.18/19:67-68 '57.
(MIRA 11:4)

1. Zavod Dneproprospetsstal' (for Speranskiy, Borodulin).
2. Chelyabinskij metallurgicheskiy zavod (for Khizhnichenko).
3. Uralmashzavod (for Zamotayev).
4. Trest "Elektropech'" (for Vaynberg).
5. Moskovskiy institut stali (for Okorokov).
6. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (for Sel'kin, Svede-Shvets).
7. Institut elektrosvarki AN USSR (for Paton, Medovar, Latash).
8. TSentral'naya laboratoriya avtomatiki (for Yafroymovich, Vinogradov).
9. Gisognepur (for Skorokhod).
10. Trest "Elektropech'" (for Katsevich).
11. Tbilisskiy nauchno-issledovatel'skiy institut okhrany truda Vsesoyuznogo tsentral'nogo soveta profsoyuzov (for Shtromberg).

(Steel—Metallurgy)

SOV/137- 14440

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 72 (USSR)

AUTHOR: Katsevich, L.S.

TITLE: Modernization of Existing Arc Furnaces and Creation of New Designs (Modernizatsiya sushchestvuyushchikh i sozdaniye novykh konstruktsiy dugovykh pechey)

PERIODICAL: Tr. Nauchno-tekhn. o-va chernoy metallurgii, 1957, Vol 18, pp 665-672

ABSTRACT: The following recommendations are made for the furnaces of the DSV series: Combined pneumatic and spring-loaded electrode holders, secondary power cables ("asymmetrical triangle on the electrodes"), non-magnetic economizers, protective sleeves for the electrode holders, etc; perfection of hydraulic power trains, etc. The following provisions are made for the 80-t furnaces which are under construction: Transformers of a capacity of ~25,000 kva; removable crowns; provisions for the passage of slag cars under the furnace; electromechanical actuation of all mechanisms; mounting of economizer units on the crown; automatic control of water consumption re its temperature, etc. In the 180-t category of furnaces

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SOV/137-58-7-14440

Modernization of Existing Arc Furnaces and Creation of New Designs

two designs have been developed: One for the scrap-process and one for the duplex process. Accordingly, the charging is accomplished either from the top, in the case of furnaces with removable crowns, or from a side opening through which 15-30% of scrap are introduced in charging boxes; the following provisions are also included: Switch-equipped transformers with a 5% reactance and capacities of 45,000 and 25,000 kva under load; mechanization of processes of slag removal and charging of materials; gas purification; etc. A system for introduction of O₂ is being developed for furnaces of all capacities, while equipment for electromagnetic agitation of the bath, which can be installed without removing the outer housing of the furnace, is being designed for furnaces with a capacity of 20 t or more.

V.T.

1. Electric furnaces--Design

Card 2/2

110-7-2/30

AUTHOR: Katsevich, L.S. (Engineer)

TITLE: The main problems in the design of a 180-ton arc furnace for steel melting. (Osnovniye voprosy konstruktsii dugovoy staleplavil'noy pechi emkost'yu 180 t.)

PERIODICAL: "Vestnik Elektro promyshlennosti" (Journal of the Electrical Industry), Vol.28, No.7, 1957, pp.5-7 (USSR).

ABSTRACT: In 1956 the "Elektropech'" Trust commenced the development of a 180 ton arc furnace for steel melting. The dimensions assumed in the design are given in Table 1. The electrical characteristics for several variants are given in Table 2. It is recommended to use a furnace with sloping portal as proposed by Dozent Edneral and Engineer Trakhimovich. The procedure used to decide whether the furnace should be round or elliptical is described and the dimensions used in the preliminary design are given in Table 3. The use of 40 MVA transformers will permit a charge of 180 tons to be melted in 2.5 hours. Technical and economic analysis demonstrated the advantages of a circular three-electrode furnace as compared with an elliptical six-electrode furnace. Incidentally it is to be regretted that some workers consider the elliptical six-electrode furnace to be progressive (see for example, Review 'Comparative

Card
1/2

TOLOKONNIKOV, Leonid Stepanovich; KATSEVICH, Leonid Savvich; NEGRASOVA,
Nina Mikhaylovna; IVANOV, Yevgeniy Petrovich; CHILIKIN, M.G.,
glavnnyy red.; SVENCHANSKIY, A.D., red.; SAPAROVA, A.L., red.;
BORUNOV, N.I., tekhn.red.

[Atlas of electromechanical industrial installations] Atlas
elektromekhanicheskikh promyshlennyykh ustavovok. Moskva, Gos.
energ.izd-vo. Part 2. [Electric furnaces] Elektricheskie
pechi. Glav.red. M.G.Chilikin. Red. A.D.Svenchanskii i L.S.
Tolokonnikov. 1959. 7 p., 107 diagrs. (MIRA 12:8)
(Electric furnaces)

PHASE I. BOOK EXPLOITATION

SOV/371⁴Katsevich, Leonid Savvich

Raschet i konstruirovaniye elektricheskikh pechey (Design and Construction of Electric Furnaces) Moscow, Gosenergoizdat, 1959.
439 p. 11,000 copies printed.

Ed.: V.P. Tsishevskiy; Tech. Ed.: G.Ye. Larionov.

PURPOSE: This textbook is intended for students of electromechanical teknikums. It can also be used as a manual in the design and operation of electromechanical equipment.

COVERAGE: The book deals with the design and construction of electric furnaces and presents general information on the heat-transfer theory and on materials used in electric furnace construction. Section 5 of Chapter IV was written by N.I. Bortnichuk, Engineer. The author thanks Engineers K.M. Avsyunin, N.M. Katel', N.M. Nekrasova, V.I. Krizental', and G.A. Loginov for their suggestions. There are 40 references, all Soviet.

-Card 1/9

NEKRASOVA, Nina Mikhaylovna, kand. tekhn. nauk, dotsent; KATSEVICH, Leonid Savvich, kand. tekhn. nauk; YEVTYUKOVA, Irina Prokop'yevna; kand. tekhn. nauk; PISHCHEVSKIY, V.P., red.; LARIONOV, G.Ye., tekhn.red.

[Industrial thermoelectric systems] Promyshlennye elektrotermicheskie ustanovki. Moskva, Gos.energ.izd-vo, 1961. 414 p.
(MIRA 14:12)
(Electric furnaces) (Electric generators) (Induction heating)

KRYLOV, Petr Aleksandrovich, Laureat Gosudarstvennoy premii; KATSEVICH,
L.S., red.; LARIKOV, G.Ye., tekhn. red.

[Electric salt furnaces and baths] Elektricheskie solianye pe-
chi i vanny. Moskva, Gosenergoizdat, 1962. 103 p. (Biblio-
teka elektrotermista, no.11) (MIRA 15:9)
(Electric furnaces) (Alloys)

GREYSUKH, M.V.; YERMILOV, A.A.; ZALESSKIY, Yu.Ye.; KAZYMOV, A.A.;
KATSEVICH, L.S.; KIRPA, I.I.; KIREYEV, M.I.; KNYAZEVSKIY,
B.A.; KOFRMAN, K.D.; KRZHAVANIK, L.V.; KUZNETSOV, P.V.;
MOROZOV, K.S.; RAKOVICH, I.I.; RYABOV, M.S.; SVENCHANSKIY,
A.D.; SOKOLOV, M.M.; SYCHEV, L.I.; TVERDIN, L.M.; KHEYFITS,
M.E.; SHULIMOV, Ye.V.; EPSHTEYN, L.M.; SHCHEGOL'KOV, Ye.I.;
TSAPENKO, Ye.F.; FEDOROV, A.A., *glav. red.*; SERBINOVSKIY, G.V.,
red.; BOL'SHAM, Ya.M., *red.*; BRANDENBURGSKAYA, E.Ya., *red.*;
TVERDIN, L.M., *red.*; FRIDKIN, L.M., *tekhn. red.*

[Handbook for power engineers of industrial enterprises in
four volumes] Spravochnik energetika promyshlennyykh pred-
priatiy v chetyrekh tomakh. Moskva, Gosenergoizdat.
Vol.2. [Electric-power supply (conclusion), use of electric
power and electrical equipment in some branches of industry]
Elektrosnabzhenie (okonchanie), priemniki elektroenergii i
elektrooborudovanie nekotorykh otraspeli promyshlennosti. Pod
obshchey red. A.A.Fedorova (*glav. red.*), G.V.Serbinovskogo i
IA.M.Bol'shama. 1963. 880 p. (MIRA 16:7)
(Power engineering—Handbooks, manuals, etc.)
(Electric power distribution)

KATSEVICH, L.S.

Flexible water-cooled cables for arc-type electric steel
smelting furnaces. Prom. energ. 19 no.12:39-40 D '64.
(MIRA 18:3)

1. Spetsial'noye konstruktorskoye byuro Vsesoyuznogo nauchno-
issledovatel'skogo instituta elektrotermicheskogo oborudovaniya.

GERASIMOV, Yevgeniy Petrovich; KATSEVICH, L.S., kand. tekhn. nauk
red.

[Technology of the construction of electric furnaces]Tekhnologiya elektropechestroeniiia. Moskva, Energiia, 1965.
174 p. (MIRA 18:12)

MIKELADZE, G.Sh.; NADIRADZE, Ye.M.; PKHAKADZE, Sh.S.; GOGORISHVILI, B.P.;
DGEBAUDZE, G.A.; SOLOSHENKO, P.S.; SEMENOV, V.Ye.; BARASHKIN, I.I.;
SHIRYAYEV, Yu.S.; POSPELOV, Yu.P.; KATSEVICH, L.S.; ROZENBERG, V.L.;
Prinimali uchastiye: LORDKIPANIDZE, I.S.; TSKHVEDIANI, R.N.;
DZODZUASHVILI, A.G.; DUNIAVA, A.G.; PERARSKIY, L.F.; GRITSFNYUK, Yu.V.;
ZHELTOV, D.D.; LUZANOV, I.I.; GLADKOVSKIY, V.P.; PODMOGIL'NYY, V.P.;
VOROPAYEV, I.P.; BRIKOVA, O.V.; VRUBLEVSKIY, Yu.P.; KLYUYEV, V.I.;
BAYCHER, M.Yu.; LOGINOV, G.A.; SHILIN, V.K.; POPOV, A.I.; ZASLONKO, S.I.

Industrial experiments in the smelting of 45 o/o ferrosilicon in
a heavy-duty closed electric furnace. Stal' 25 no.5:426-429 My '65.
(MIRA 18:6)

1. Gruzinskiy institut metallurgii (for Lordkipanidze, TSkhvediani,
Dzodzuashvili, Guniava). 2. Nauchno-issledovatel'skiy i proyektnyy
institut metallurgicheskoy promyshlennosti (for Brikova, Vrublevskiy,
Klyuyev). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut elektro-
termicheskogo oborudovaniya (for Baycher, Loginov, Shilin, Popov,
Zaslонко).

BYCHKOV, V.P., kand. tekhn. nauk.; IL'IN, V.I., inzh.; KATSEVICH, V.L., inzh.

Methods for measuring current components of a motor with armature
voltage control. Elektrotehnika 35 no.10:62-63 O '64.
(MIRA 17:11)

RYCHKOV, V.P., kand.tekhn.nauk, dotsent; IL'IN, V.I., Irzh.; KATSEVICH, V.L.,
inzh.

Method for limiting current in the start of the main motor of a
roughing mill. Elektrichestvo no.11:72-74 N°64.

(MTKA 18:2)

1. Moskovskiy energeticheskly institut.

VOL'FSON, N.I.; SOKOLOVSKIY, R.M.; KATSEVMAN, A.Ye.

Some new data on experimental tumors of the cervix uteri. Part I:
Blastogenic action of ethylene glycol on the epithelium of the vagina
and cervix uteri in mice. Vest.AMN SSSR 17 no.6:79-87 '62.
(MIRA 15:8)

1. Institut onkologii AMN SSSR, Leningrad.
(UTERUS--TUMORS) (VAGINA--TUMORS) (ETHYLENE GLYCOL--TOXICOLOGY)

RYABOV, S.I.; KATSEVMAN, A.Ye.

Changes in the quantity of "drumsticks" in mature neutrophils
in chronic myelosis in women. Probl. gemat. i perel. krovi 9
no.6:15-18 Je '64. (MIRA 18:2)

1. Kafedra fakul'tetskoy terapii (zav... prof. T.S. Istamanova)
I Leningradskogo meditsinskogo instituta imeni Pavlova.

KATSEVMAN, Kh. H.

BLINOVA, V.A.; PLOTNIKOVA, N.V.; VOLKOV, N.M.; SYSOIEVA, A.V.; AVDEYEV, P.P.;
KATSEVMAN, Kh. A.; RODINA, P.M.; GUSEVA, L.L.; KAMENSKIY, V.I., red.;
BYKOV, A.N., tekhn.red.

[Economy of Tambov Province; a statistical manual] Narodnoe khozai-
stvo Tambovskoi oblasti; statisticheskii sbornik. [Tambov] Izd-vo
"Tambovskaya pravda," 1957. 187 p. (MIRA 11:3)

1. Tambovskaya oblast'. Statisticheskoye upravleniye. 2. Statisti-
cheskoye upravleniye Tambovskoy oblasti (for all except Kamenskiy,
Bykov). 3. Nachal'nik Statisticheskogo upravleniya (for Kamenskiy)
(Tambov Province--Statistics)

KATSEVMAN, L.V.; VOKHOMSKIY, M.N., inzh., stv. red.; DIKHTER, Ya.Ye., red.; DYUBEK, L.K., red.; ZHEFOCHKINA, V.B., red.; ITISIGSON, F.L., inzh., red.; KASTEL', I.N., kand. arkhitektury, red.; CHIZH-DEMIDOVICH, V.V., red.; SNEVCHENKO, V.A., inzh., red.

[Collection of materials on results of research and experimental work in 1960-1961] Sbornik materialov po rezul'tatam nauchno-issledovatel'skikh i eksperimental'nykh rabot rabot 1960-1961 gg. Moskva, 1961. 142 p. (MIR 15:10)

1. Moscow. Institut tipovogo i eksperimental'nogo proyektirovaniya.

(Building research)

KATSEYKO, A. N.

USSR / Cultivated Plants. Fruits. Berries.

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 34791

Author : Katsevko, A. N.

Inst : Institute for Agriculture, Branch of VASKHNIL.

Title : Results of Tests in Raising New Varieties of Apples, Pears and Strawberries in the Cultivation Belt of Alma-Ata.

Orig Pub L Tr. In-ta zemledeliya Kazakhst. fil. VASKHNIL, 1956, 5, 6-65.

Abstract : Results are given of works performed by the Fruit and Small Fruit Cultivation Branch of the Institute for Agriculture which were started in 1956. A considerable number of varieties have been bred of which 5 apple varieties and 3 strawberry varieties were allocated to the rayons; 9 apple varieties and 4 varieties of pears were accepted

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KATSIASHVILI, N. A.

Def. at
Tbilisi State U.

- име залата Тишина. 1953. 72 с. илл., 160 рис. (Городской муз.).

Заг. 1954. № 1.

Джон Вальтер Мурзаков. Определение фактур гипса для каминов, по гранитоцементным камням. 1951. 126 с. илл. [Н] Вед. а. автора. Заг. 1952. № 26.

Джон Вальтер Мурзаков. Определение фактур гипса для каминов, по гранитоцементным камням. 1951. 126 с. илл. [Н] Вед. а. автора. Заг. 1952. № 27.

Джон Вальтер Мурзаков. Использование гипса в технологии керамических изделий. Книга вторая. Базальт. 1940. 67 с. [Н] Вед. а. автора. Заг. 1941. № 5.

Джон Вальтер Мурзаков. К вопросу о томости известья и способах ее уменьшения. 1954. 135 с. Заг. 1955. № 24.

Джон Вальтер Мурзаков. Методы сгущивания гипсовых осадков. К вопросу о томости известья и способах ее уменьшения. 1954. 135 с. Заг. 1955. № 25.

Джон Вальтер Мурзаков. Способ получения гипсовых осадков из золы для удаления известья и промывания слюды. 1941. 95 с.

Джон Старт. Установка для извлечения известьи из золы. 1941. 85 с.

Джон Старт. Установка для извлечения известьи из золы. 1945. 211.

Джон Старт. Установка для извлечения известьи из золы. 1950. Установка для извлечения известьи из золы. 1951. Альбом «Владимир Павлович Кудинов». Описание инженерного цеха АО «Красногорский машиностроительный завод». 1956.

Джон Старт. Установка для извлечения известьи из золы. 1957. № 251.

Джон Огаст. Шторы из папье-маше. 1945. 122 с. в стр. 7 маc. Ак-таж. [Н] Агент. ССР. ССР 1945. № 9.

Джон Огаст. Григорий Ани-девозов. Новая методика восстанов- ления антистрессовых свойств стали тиа- сти. ССР 1955. № 7 с. 50 лист.

Заг. 1956. № 24.1.

Джон Марк бердера. Валерий Славин. К вопросу о томости известья и способах ее уменьшения. 1954. 96 (6) с. (Мат. геофиз. АН Груз. ССР). Заг. 1956. № 25.0.

Джон Марк бердера. Валерий Славин. Опыт применения антистрес- совых методов сгущения разбавленных глинистых структур. Страз. 1955. 17 л.

Джон Марк бердера. Валерий Славин. Опыт применения антистрес- совых методов сгущения разбавленных глинистых структур. Страз. 1955. 17 л.

Джон Гарднер. Валентин Гарасимо- вич. Методы сгущивания гипсовых осадков. К вопросу о томости известья и способах ее уменьшения. 1954. 40 с. - 2-е. физ. 40 лист. (Мат. геофиз. АН Груз. ССР). Заг. 1956. № 24.

Джон Гарднер. Валентин Гарасимо- вич. Методы сгущивания гипсовых осадков. К вопросу о томости известья и способах ее уменьшения. 1954. 40 с. - 2-е. физ. 40 лист. (Мат. геофиз. АН Груз. ССР). Заг. 1956. № 25.

Джон Гарднер. Свое Кланчук. Маркаловский. Формы и способы приложения погоды на образованной синоп- тической карте для Закавказья и Малой Азии. 1943. 119 с. карт.

Заг. 1951. III.

KAPSIASHVILI, N.A.

Magnetic observations in Georgia. Trudy Tbil.NIGMI no.1:3-15 '56.
(MLRA 10:9)

(Georgia--Magnetism, Terrestrial--Observations)

SOV/169-59-5-5444

Translation from: Referativnyy zhurnal, Geofizika, 1959, Nr 5, p 151 (USSR)

AUTHOR: Katsiashvili, N.A.

TITLE: Some Peculiarities of S_q -Variation of H in Tbilisi

PERIODICAL: Tr. In-ta geofiz. AS GruzSSR, 1957, Vol 16, pp 53 - 61

ABSTRACT: The peculiarities of S_q -variations of the H-component of the geomagnetic field are investigated on the basis of analyzing the magnetograms of perfectly quiet days in the observatory of Tbilisi (Karsani, Dusheti) in 1933 - 1945. The author excluded the magnetograms of 1935 which showed the effect of stray currents from the electrified railway in Karsani in the time of four months, and had at his disposal 1,028 magnetograms. The amplitude of the S_q -variation of H varies considerably and irregularly from day to day, the amplitudes in summer being on the average larger than in winter. The statistics of amplitudes are analyzed. Nearly for all months, excluding January and June, the amplitudes in years with higher solar activity are smaller than in years with lower activity. For the observatories in the transition zone, e.g.,

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SOV/169-59-5-5444

Some Peculiarities of S_q -Variation of H in Tbilisi

in Tbilisi, this phenomenon can be conditioned by shifting the current systems of S_q -variation to the Sun in years with high solar activity. By means of a 24-hour dial the author shows that the extrema of the S_q -variations of H can occur in each of 24 hours of a day. In the predominant number of cases maxima occur within the time ranges 6 - 9 and 12 - 16 o'clock, and minima within the time ranges 2 - 6, 10 - 12, and 19 - 24 o'clock. The S_q -variations of D and Z have steady form, and the extrema occur in more or less definite hours of the day. Starting from the variations of H, the author has determined that the S_q -variations in 42% of days were of the polar (P) type, 10% of the equatorial (E) type and 48% of the intermediate (P' and E') type. The maximum of the P cases takes place in summer, the minimum in winter. The maximum of the E, P', E' cases takes place in winter and in the time of equinox, and the minimum in summer. A certain dependence of the types of S_q -variations on the cycle of solar activity has also been observed. Bibl. 12 titles.

M.Z. Nodia

Card 2/2

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SOV/169-59-7-7482

3.9000
Translation from: Referativnyy zhurnal, Geofizika, 1959, Nr 7, p 148 (USSR)

AUTHOR: Katsiashvili, N.A.TITLE: On the 27-Day-Frequency of the S_q -Variation of the Geomagnetic
Field

PERIODICAL: Tr. In-ta geofiz. AS GruzSSR, 1958, Vol 17, pp 33 - 45

ABSTRACT: It was established earlier (RZhGfiz, 1959, Nr 5, 5444) that different types of the geomagnetic S_q -variations can be observed in Tbilisi in certain days: Mostly the polar type (p) occurs, further transient types (p' and E'), and most seldom the equatorial type (E). The 27-day-frequency of the S-types was studied on the basis of observations in 1933 - 1945. It is ascertained that the types p', E', and E follow frequently each other and are genetically interconnected. The diagrams of the 27-day-frequency of the quiet days generally and of the individual types of S_q are plotted. The probability of appearance of p, p', E', and E in sequences of different multiplicity is computed and compared with the probability, which would take

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Inst. Geophysics, Georgian SSR, Tbilisi

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On the 27-Day-Frequency of the S_q -Variation of the Geomagnetic Field

place in the case of a random distribution of the types (see Table).

Type of S_q	Proba- bility	Multiplicity of Sequence							
		II	III	IV	V	VI	VII	VIII	IX
p	empiric random	0.240 0.070	0.100 0.018	0.041 0.015	0.017 0.001	0.005 0.000	0.001 0.000	- -	- -
p' E' E	empiric random	0.352 0.152	0.173 0.059	0.100 0.023	0.056 0.009	0.033 0.004	0.020 0.001	0.012 0.001	0.005 0.000

It follows from the table that the appearance of the 27-day sequences of individual S_q -types is not random; it indicates that the regions of the solar surface causing the appearance of definite S_q -types are preserved during many revolutions of the sun.

N.P. Ben'kova

Card 2/2

KATSIASHVILI, N.A.

Determination of the width of the zone of identical changes similar to the solar daily variation in magnetic field strength. Soob. AN Gruz.SSR 21 no.5:523-529 N '58. (MIRA 12:5)

1. AN GruzSSR, Institut geofiziki, Tbilisi. Predstavleno akademikom Ye.K.Kharadze.
(Magnetism--Terrestrial)

KEBULADZE, V.V.; KATSIASEVILI, N.A.; KOYAVA, V.K.

Studies on geomagnetism and aeronomy conducted in the Institute
of Earth Physics of the Academy of Sciences of the Georgian S.S.R.
in 1961. Geomag. i aer. 2 no.5:1015-1017 S-0 '62. (MIRA 15:10)
(Magnetism, Terrestrial) (Cosmic physics)

NODIA, M. Z.; BERISHVILI, G. P.; KATSIASHVILI, N. A.

Some results of studying the pulsations of a geomagnetic
field. Trudy Inst. geofiz. AN Gruz. SSR 20:19-25 '62.
(MIRA 16:1)

(Magnetism, Terrestrial)

ACC NR: AR6032142

SOURCE CODE: UR/0169/66/000/006/A037/A037

AUTHOR: Nodia, M. Z.; Berishvili, G. P.; Katsiashvili, N. A.

TITLE: Perturbed variations of the geomagnetic field according to magnetograms of observatories at Tbilisi-Korsani-Dushati from 1900 to 1956

SOURCE: Ref. zh. Geofizika, Abs. 6A236

REF SOURCE: Sb. Nekotoryye vopr. issled. elektromagnitn. polya Zemli. No. 1(23).
Tbilisi, Metsniyereba, 1965, 5-13

TOPIC TAGS: geomagnetic disturbance, solar cycle, geomagnetic field, magnetogram

ABSTRACT: A catalog of magnetic disturbances compiled by the Tbilisi Observatory is described. The Tbilisi Observatory was located from 1900 to 1904 at Tbilisi, from 1908 to 1934 at Karsani, and from 1936 to 1956 at Dushati. This catalog contains data on 2587 storms, of which 640 are intense or very intense and 804 are moderate. The rest of the storms were small bay-type disturbances, sudden pulses, and short-period oscillations. The results of statistical investigations of storms, small disturbances, their distribution by solar cycles and seasons, and their diurnal variations are given.

SUB CODE: 08/ SUBM DATE: none

Card 1/1

UDC: 525.241

ACC NR: AR6032354

SOURCE CODE: UR/0169/66/000/007/A042/A043

AUTHOR: Katsiashvili, N. A.; Matsaberidze, V. S.; Khocholava, G. M.

TITLE: Magneto-ionospheric disturbances correlated with anomalous absorption in the polar cap

SOURCE: Ref. zh. Geofizika, Abs. 7A254

REF SOURCE: Sb. Nekotoryye vopr. issled. elektromagnitn. polya Zemli. No. 1(23). Tbilisi, Metsniyereba, 1965, 52-61

TOPIC TAGS: ionospheric disturbance, geomagnetic disturbance, anomalous absorption, geomagnetic storm, polar cap absorption

ABSTRACT: Magneto-ionospheric disturbances correlated with anomalous absorption in the polar cap (AAPC) were studied on the basis of data for the International Geophysical Year obtained at the Dusheti Magnetic Observatory and at 12 Soviet Ionospheric stations. Their characteristics are compared with storms which are not correlated with AAPC. The following conclusions were reached:
1) Sc* type geomagnetic storms with a preliminary negative momentum (for Dusheti) have almost no correlation with AAPC; 2) the presence of the preliminary

Card 1/2

UDC: 550.338.2:550.385.4

ACC NR: AR6032354

negative momentum is explained by the influence of the daily course of disturbed S_D variation; however, the Zinger hypothesis on the influence of hydromagnetic waves is not excluded from the investigation; 3) in the majority of cases, sharper and deeper subsidence into H is characteristic of geomagnetic storms which correlate with AAPC; this is explained by the high energy of fluxes which cause these storms; 4) the conclusion of Hokura that in the period of AAPC the state of the F2 layer is normal before the start of the geomagnetic storm, a fact indicates that the AAPC is of a local nature, is confirmed by numerous data; 5) the majority of ionospheric disturbances connected with AAPC are negative; 6) the amplitude of the F2 layer disturbances decreases, while the delay time in relation to the magnetic storm increases with a decrease in latitude, which demonstrates the corpuscular nature of the agent responsible for this phenomenon; 7) the delay time of the start of an ionospheric disturbance in relation to a magnetic storm depends on whether at the start of the storm the station is within or outside of the forbidden zone; 8) in the majority of cases, a lowering of f_0F2 is accompanied by a sharp increase in the HF layer, while at normal layer heights f_aF2 rises. I. Kovalevskiy.
[Translation of abstract] [DW]

SUB CODE: 20, 04/

Card 2/2

KOSHKIN, K.; KATSIGRAS, G.; SERGEYEV, A.; YAKUBOV, Kh.

Using the matching method in assembling the engine and gearbox.
(MIRA 16:10)
Avt. transp. 41 no.9:24-29 S '63.

KATSIGRAS, G., inzh.

Running-in period for engines. Avt.transp. 38 no.7:33-35
(MIRA 13:7)
Jl '60.
(Automobiles--Engines)

KATSIGRAS, G.; SERGEYEV, A.; FROLOV, Yu.

Improving the repairing of oil pumps. Avt.transp. 40 no.4:
25-27 Ap '62. (MIRA 15:4)
(Oil hydraulic machinery--Maintenance and repair)

KAT3IN. A

S

EFP.
.R92:97

OPYT RABOTY PO USKORENIYU OBORACHIVAYEMOSTI OBOROTNYKH SREDSTV V
PODRYADNYKH STROITEL'NYKH ORGANIZATSIIYAKH. MOSKVA, 1951.

45 P. TABLES.

AT HEAD OF TITLE: MOSCOW. INSTITUT TEKHNICO-EKONOMICHESKOY INFORMATSI.

KATSIN, A.; PROFERANOV, D.

"Planning costs in construction" by A.N.Vinogradov. Reviewed by
A.Katsin, D.Proferanov. Fin.SSSR 37 no.4:91-93 Ap '63.
(MIRA 16:4)
(Construction industry--Costs) (Vinogradov, A.N.)

KVITNITSKIY, Leonid Antonovich; ZHUK, A.A., nauchnyy red.; IL'IN, V.N.,
red.; KATSIN, A.S., red.; LEYKIN, B.P., red.; MALYUGIN, V.I.,
red.; USPENSKIY, V.V., red.; SHASS, M.Ye., red.; MORSKOY, K.L.,
red.izd-va; GARNUKHIN, Ye.K., tekhn.red.

[Transportation expenses in construction and ways to lower
them] Transportnye raskhody v stroitel'stve i puti ikh snizheniya.
nia. Izd.2., dop. i perer. Moskva, Gos.izd-vo lit-ry-pes-stroit.
materialam, 1961. 105 p. (MIRA 14:12)

(Materials handling)
(Construction industry--Costs)

GALKIN, I.G.; KAZANSKIY, B.M., nauchnyy red.; IL'IN, V.M., red.;
MALYUGIN, V.I., red.; KATSIN, A.S., red.; USPENSKIY, V.V.,
red.; LEYKIN, B.P., red.; SHASS, M.Ye., red.; GLAZUNOVA,
Z.M., red. izd-va; BOROVNEV, N.K., tekhn. red.

[Problems of rythm and operation completion in construction]
Voprosy ritmichnosti i zadela v stroitel'stve. Moskva, Gos-
stroizdat, 1962. 168 p. (MIRA 15:9)
(Construction industry)

KULIKOV, N.; OLEKSA, P.M.; KATSIN, I.S.; OS'MAGA, I.I.

Eliminate excessive load testing of bridge cranes. Metallurg
10 no.6:34 Je '65. (MIRA 18:6)

1. Glavnnyy mekhanik Nizhne-Tagil'skogo kombinata (for Kulikov).
2. Glavnnyy mekhanik Donetskogo metallurgicheskogo zavoda (for Oleksa).
3. Starshiy inzh. Otdela glavnogo mekhanika po kranam Donetskogo metallurgicheskogo zavoda (for Katsin).
4. Pomoshchnik nachal'nika martenovskogo tsekha po oborudovaniyu Donetskogo metallurgicheskogo zavoda (for Os'maga).

KATSIN, L.M.

INBER, Pavel Mikhaylovich; KATSIN, L.M., redaktor; MATISSEN, Z.M.,
tekhnicheskiy redaktor

[Technical literature; a manual for people working with books]
Tekhnicheskaya literatura; posobie dlia knizhnykh rabotnikov.
Moskva, Gos.izd-vo "Iskusstvo," 1957. 283 p. (MIRA 10:9)
(Bibliography--Technology)
(Bibliography--Science)

KATSIN, V. [Katsyn, V.]

Precast reinforced concrete in rural housing construction. Sil'.
bud. 10 no.12:10-12 D '60. (MIRA 13:12)

1. Rukovoditel' otdela poselkovogo i sel'skogo stroitel'stva
Nauchno-issledovatel'skogo instituta eksperimental'nogo proyektirovaniya Akademii stroitel'stva i arkhitektury U,S,S,R.
(Ukraine--Precast concrete construction)

KATSIN, V., arkhitektor; CHECHIK, Z., arkhitektor

Integrated series of model plans for collective farms and state
farms. Zhil.stroi. no.5:17-19 My '61. (MIRA 14:6)
(Ukraine--City planning)

ACC NR: AP7005601

SOURCE CODE: UR/0413/67/000/002/0040/0040

INVENTOR: Dunayev, A. S.; Gipsman, I. K.; Katsin, V. M.; Chursin, D. G.; Volkov, L. G.

ORG: None

TITLE: A current density analyzer. Class 21, No. 190408

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 40

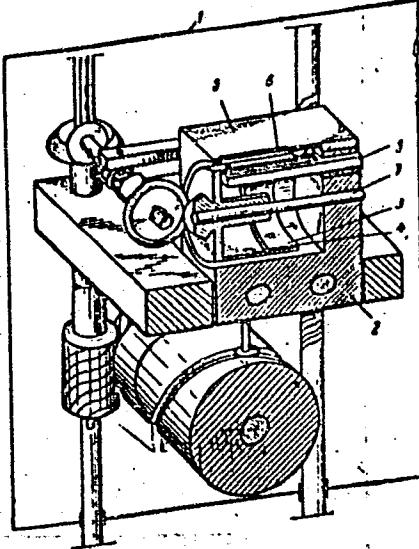
TOPIC TAGS: current density, electron beam, measuring instrument

ABSTRACT: This Author's Certificate introduces an instrument for analyzing the current density of an electron beam. The installation contains a vacuum chamber, a mechanical scanner with a helically slotted rotating drum, and a collector. For rapid and thorough analysis of electron-beam structure, the mechanical scanner is made in the form of a carriage with a rectangular slot which moves both lengthwise and crosswise with respect to the beam. The drum is located inside the carriage and the collector is placed within the drum along its axis under the rectangular slot.

Card 1/2

UDC: 621.397.331.1

ACC NR: AP7005601



1--vacuum chamber; 2--mechanical scanner; 3--rotating drum; 4--helical slot; 5--collector; 6--rectangular slot; 7--drum axle

SUB CODE: 14, 09/ SUBM DATE: 01Sep64

Card 2/2

KATSINSKIY, N.P.

Composition of "Tenika" sealing compound. Energetik 4 no.8:39 Ag '56.
(Sealing (Technology)) (MIEA 9:10)

BEREZINA, K.G.; KUTANINA, L.K.; KATSION, V.V.

Polarographic determination of chloro derivatives of methane. Zav.
lab. 29 no.12:1434-1436 '63. (MIRA 17:1)

KATSITADZE, G.K.

Use of typhoid fever phage Vi-I in the phage titer growth
reaction. Zhur. mikrobiol., spid. i immun. 40 no.3:126-127
Mr '63. (MIRA 17:2)

1. Iz Tbilisskogo instituta vaktsin i syvorotok.

KATSITADZE, G.K.

Selection of dysentery indicator phages. Zhur. mikrobiol.,
epid. i immun. 40 no.2:28-32 F '63. (MIRA 17:2)

1. Iz Tbilisskogo instituta vaktsin i sывороток.

KATSITADZE, K.

Duration of artificial active antidiphtherial immunity. Zhur.
mikrobiol. epid. i immun. 32 no.4:ll-14 Ap '61. (MIRA 14:6)

1. Iz Tbilisskogo meditsinskogo instituta.
(DIPHTHERIA)

KATSITADZE. K.I.

22686. KATSITADZE, K.I. K voprosu effektivnosti protivosympotifoznoy vaktsiny - V ogl. 2-y Avt: E moshiashvili. Trudy (Tbilis. gos. med. inpt), T. V, 1948, S. 62-72-na gruz yaz. - rezyume na rus. yaz.

SO: LETOPIS' No. 20, 1949

KATSITADZE, K.K.

22687 Katsitadze, K.K. K Voprosu Epidemiologicheskoy Effektivnosti
Polivaltsiny 'Niisi' Trudy (Tbilis. Gos. Med. In-T), T.V, 1948
S. 61-66 — Na Cruz. Yaz — Rezyume Na Rus. Yaz. Kolesov S.G,
Terent' Yev, F.A. I Kagan F.I. O Sovremennom Sostoyanii Immunogenykh Suoyestv
2-Y Vartsiny Tsenkovskogo.— Sm. 22604

So. Letopis', No, 1949

KATSITADZE, K. [K.]

22686 Katsitadze, K. I Moshiashvili, E. K Voprosu Effektivnosti
Protivosyntifoznoy Vaktsiny — V Ogl. 2-Y Avt: E Moshiashvili.
Trudy (Tbilis. Gos. Med. In-T) T.V, 1948, S. 67-72 — Na Gruz Yaz—
Rezyume Na Rus. Yaz.

So. Letopis', No 30, 1949

L 2398-66 EWT(d)/EWP(n)-2/EWP(v)/EWP(k)/EWP(h)/EWP(l) IJP(c) MM/BC

ACCESSION NR: AP5022976

UR/0103/65/026/008/1371/1378

62-506

33
2

AUTHOR: Katsitadze, N. I. (Tiflis)

TITLE: Transient processes and periodic motions in external control systems with higher derivative control action

SOURCE: Avtomatika i telemekhanika, v. 26, no. 8, 1965, 1371-1378

TOPIC TAGS: time optimal control, nonlinear automatic control, automatic control R and D

ABSTRACT: The theory of extremal control systems often encounters first order objects whose time "constant" is actually a function of time, (e.g., in some heater furnaces, aircraft engines, etc.). To reduce the influence of the drift of extremal characteristics, in the case of objects with appreciable inertia, the retuning speed of the control organ should be increased. However, in systems introducing the control parameter via signum relays such an increase in speed causes a slowing down of scanning and other undesirable effects. Recently, V. V. Kazakevich developed a method of extremal control in which the signum relay introduces a higher derivative of the control parameter. This method was used by several

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L 2398-66

ACCESSION NR: AP5022976

authors in conjunction with linear first order inertial objects. The present paper studies by means of Haierkin's method a system of extremal control comprising a first order nonlinear object in which the magnitude of the time constant depends on the value of the control parameter. The signum relay introduces the control parameter and its derivatives. Results of the theoretical comparison of operations of systems controlled by means of the parameter and its derivative show that controls employing higher derivatives can achieve high control speeds and an improved level of extremal control operation. Orig, art, has: 44 formulas and 6 figures.

ASSOCIATION: None

SUBMITTED: 27May64

ENCL: 00

SUB CODE: IE

NO REF SOV: 006

OTLAR: 002

PC

Card 2/2

KATSITADZE, N.I., inzh.

Automatic optimization of the thermal process in a cupola furnace.
Mekh. i avtom. proizv. 18 no.9:7-9 S '64.

(MIRA 17:11)

KATSITADZE, N.I.

Periodic motions in an optimalizing control system with control
action determined by the higher derivative. Soob. AN Gruz. SSR
38 no. 3:623-630 Je '65. (MIRA 18:12)

1. Tbilisskiy nauchno-issledovatel'skiy institut priborostroyeniya
i sredstv avtomatizatsii. Submitted Febr. 20, 1965.

KATSITADZE, O.I.

Apparatus and method for testing longitudinal bending of materials
subjected to impact. Soob.AN Gruz.SSR 18 no.6:711-718 Je '57.
(MIRA 10:10)

1. AN GSSR, Institut stroitel'nogo dela, Tbilisi. Predstavлено
академиком K.S.Zavriyevym.
(Impact) (Strength of materials)

124-58-9-10340D

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 9, p 134 (USSR)

AUTHOR: Katsitadze, O. I.

TITLE: On Shock Waves in Thin Bars (K udarnomu prodel'nomu izgibu tonkikh sterzhney)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Candidate of Technical Sciences, presented to the Tbilissk. in-t inzh. zh.-d. trans. (Tbilisi Institute of Railroad Transportation Engineering), Tbilisi, 1958

ASSOCIATION: Tbilissk, in-t inzh. zh.-d. trans. (Tbilisi Institute of Railroad Transportation Engineering), Tbilisi

1. Bars 2. Shock waves--Theory

Card 1/1

TAVADZE, F.N., KATSITADZE, Sh.S.

Effect of calcium on shape changes of graphite in cast iron.
Lit. proizv. no.6:29-30 Je '60. (MIRA 13:8)
(Cast iron--Metallography)

S/137/62/000/006/002/163
A006/A101

AUTHORS: Tavadze, F. N., Katsitadze, Sh. S.

TITLE: On the flow mechanism of molten metals

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 6, 1962, 8, abstract 6A48
("Tr. Gruz. politekhn. in-t", 1959, no. 3 (64), 77 - 80)

TEXT: The velocity of metal flow (Al-alloy and steel) in quartz tubes of different diameters was determined by filming (24 frames per second). The length of the metal flow was determined by instrumental and binocular microscopes on a negative film. It was established that the velocity of metal flow changes in time constantly (a time-velocity curve is presented).

T. Kolesnikova

[Abstracter's note: Complete translation]

Card 1/1

KATSITADZE, Sh.S.; GULYAN, S.P.

Casting into ceramic molds of shape-forming parts for die
casting. Lit. proizv. no.6:37 Je '64.

(MIRA 18:5)

SIKHARULIDZE, Ya.M.; KATSITADZE, Sh.S.; BERAYA, M.M.

Flux for the melting of bronze. Lit. proizv. no.6:36 Je '64.
(MIRA 18:5)

USSR/General Problems of Pathology - Pathophysiology of
Infectious Process.

U.

Abs Jour : Ref Zhur - Biol., No 19, 1958, 89503

Author : Katsitadze, V.A.

Inst :
Title : On the Sequelae of Tetanus Toxin Injection Into the
Vagus Nerve.

Orig Pub : Zh. mikrobiol. epidemiol. i imunobiologii, 1957,¹⁶ No. 6,
79-83.

Abstract : Tetanus toxin (TT) doses of 0.5 DLM were injected into
the intact vagus nerve (VN), or into the central or peri-
pheral end of the nerve, immediately after section of the
VN, or into the central end of the nerve 14 days after
vagotomy in rabbits, under ether anesthesia. In the ani-
mals of the first group, a disorder of the motor function
of the anterior extremities was noted within 203 days, as
well as protrusion of the eyeballs, rigidity of the

Card 1/2

Inst. Normal & Pathological Physiology

- 9 -

AMS USSR.

KATSITADZE, V.A.

Course of experimental tetanus following administration of tetanus toxin in organs innervated by the cranial nerves. Zhur.mikrobiol. epid. i immun. 28 no.7:84-90 Jl '57. (MIRA 10:10)

1. Iz Instituta normal'noy i patologicheskoy fiziologii ANN SSSR.
(TETANUS,
toxin, eff. of admin. into organs innervated by cranial nerves in rabbits (Rus))
(NERVES, CRANIAL, physiology,
eff. of admin. of tetanus toxin into organs innervated by cranial nerves in rabbits (Rus))

~~KATSITADZE, V.A.~~

~~KATSITADZE, V.A.~~

Characteristics of the course of experimental tetanus following administration of tetanus toxin in various parts of the brain. Zhur. mikrobiol.epid. i immn. 28 no.8:111-115 Ag '57. (MIRA 11:2)

1. Iz Instituta normal'noy i patologicheskoy fizioligii AMN SSSR.
(BRAIN, effect of drugs on,

Clostridium botulinum toxin, responses to admin. into
various parts in animals (Rus))
(CLOSTRIDIUM BOTULINUM,

toxin, eff. of admin. into various parts of brain in
animals (Rus))

Conf.
KATSITADZE, V. A.: Master Med Sci (diss) -- "Aspects of the reaction developing with the action of tetanus toxin on various portions of the nervous system".
Moscow, 1958. 12 pp (Acad Med Sci USSR, Inst of Normal and Pathological Physiology), 200 copies (KL, No 5, 1959, 156)

KATSITADZE, V.A., PORUBINOVSKAYA, N.M.

Experimental analysis of the appearance of pneumonia in diphtheria.
Zhur. mikrobiol. epid. i immun. 29 no.6:37-38 Je '58 (MIRA 11:?)

1. Iz Instituta normal'noy i patologicheskoy fiziologii AMN SSSR
i Ryazanskogo meditsinskogo instituta imeni Pavlova.

(DIPHTHERIA, experimental,
with pneumonia (Rus))

(PNEUMONIA, experimental
in diphtheria (Rus))

PLETSIYY, D.F., LABINSKAYA, A.S., MOHAYENKOV, A.M., KATSITADZE, V.A.,
AMIANTOVA, L.D.

Dynamics of blood antibody concentration immediately following
revaccination. Zhur.mikrobiol. epid. i immun. 29 no.7:103-107
J1 '58 (MIRA 11:8)

1. Iz Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.
(DIPHTHERIA, immunology.
antibody in blood after revaccination in rabbits (Rus))
(TETANUS,
same (Rus))

PLETSITYY, D.F., MONAYENKOV, A.N., KATSITADZE, V.A.

Dynamics of the hematic accumulation of anatoxin in human subjects following subcutaneous and intramuscular administration of adsorbed tetanus anatoxin; preliminary communication. Zhur. mikrobiol. i epid. i immun. 29 no.9:100-103 S'58 (MIRA 11:10)

1. Iz Instituta normal'noy i patologicheskoy fiziologii AMN SSSR i Krasnordarskoy krayevoy sanitarno-epidemiologicheskoy stantsii.
(TETANUS, immunology.

blood anatoxin after subcutaneous & intramusc. vacc
(Rus))

LABINSKAYA, A.S.; KATSITADZE, V.A.

Rapidity of accumulation of tetanus antitoxin in the blood
of animals following late reimmunization by the subdural
and intravenous administration of anatoxin; author's abstract.
Zhur. mikrobiol. epid. i immun. 31 no. 4:129-130 Ap '60.

(MIRA 13:10)

1. Iz Instituta normal'noy i patologicheskoy fiziologii AMN
SSSR.

(TETANUS) (TOXINS AND ANTITOXINS)

PLETSITYY, D.F.; LABINSKAYA, A.S.; KATSITADZE, V.A.

Summation of antigenic stimulations in microintervals of time
during the vaccination of animals with sorbed tetanus anatoxin.
Dokl. AN SSSR 137 no.4:993-995 Ap '61. (MIRA 14:3)

1. Institut normal'noj i patologicheskoy fiziologii AMN SSSR.
Predstavлено академиком V. N. Chernigovskim.
(ANTIGENS AND ANTIBODIES) (TETANUS)(VACCINATION)

KATSITADZE, V.F.; ZURABASHVILI, M.I.

Rating the Dzhernillo-Babin-Muserskiy method for determining the amount of protein in food products. Vop. pit. 16 no.4:81 Jl-Ag '57.
(MLRA 10:10)

1. Iz kafedry gigiyeny pitaniya (zav. - prof. V.F.Katsitadze)
Tbiliskogo meditsinskogo instituta.
(PROTEINS) (FOOD--ANALYSIS)

KATSITADZE, V.F.

Method of studying the actual nutritional level of the population.
Vop.pit. 18 no.1:68-72 Ja-P '59. (MIRA 12:2)

1. Iz kafedry gigiyeny pitaniya (zav. - prof. V.F. Katsitadze)
Tbilisskogo gosudarstvennogo meditsinskogo instituta.
(NUTRITION,

investigation of actual nutritional state of
population (Rus))

KATSITADZE, V.F., prof. (Tbilisi)

General hygiene programs for sanitation and hygiene faculties.
Gig. i san. 26 no.11:72-73 N '61. (MIRA 14:11)
(HYGIENE—STUDY AND TEACHING)

KATSITADZE, V.F., prof. (Tbilisi)

Concerning E.K.Dzhaparidze's article, "Determining small quantities
of barium in natural waters and in waters polluted by industrial wastes."
Gig. i san. 26 no.5:92 My '61.

(MIRA 15:4)

(WATER--POLLUTION) (BARIUM--ANALYSIS)
(DZHAPARIDZE, E.K.)

KATSITADZE, V.F. (Tbilisi)

Membrane filter. Lab.delo 8 [i.e.9] no.1:53-54 Ja '63.

(MIRA 16:5)

(FILTERS AND FILTRATION)

KATSITADZE, A. I.

1691. Osobennosti Sledov Khod'by Pri Nekotorykh Patologiyakh Nizhnikh Konechnostey.
(K Voprosu Otschdestvleniya Lichnosti Po Sledam Khod'by). M., 1954. 12s. Zlsm.
(II Mosk. Gos. Med. In-T Im. I. V. Stalina). 100 EKZ. Bespl.- (54-51605)

SO: Knizhnaya Letopis', Vol. 1, 1955

KATSITADZE, Z. I.

"The Peculiarities of Footprints in Certain Pathological Conditions of the Lower Extremities (the Problems of Identifying a Person Through His Footprints)." Cand Med Sci, Second Moscow State Medical Inst imeni I. V. Stalin, 15 Dec 54. (VM, 3 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556 24 Jun 55

ANTIPIN, V.I.; BUDANOV, N.D.; KOTLUKOV, V.A.; LEYBOSHITS, A.M.;
PROKHOROV, S.P., kand.geol.-miner.nauk; SIRMAN, A.P.;
FALOVSKIY, A.A.; SHTEYN, M.A.; BASKOV, Ye.A.; BOGATKOV,
Ye.A.; GANEYEVA, M.M.; ZARUBINSKIY, Ya.I.; IL'INA, Ye.V.;
KATSIYAYEV, S.K.; KOMPANIYETS, N.G.; NELYUBOV, L.P.;
PONOMAREV, A.I.; REZNICHENKO, V.T.; RULEV, N.A.; TSELIGOROVA,
A.I.; ALSTER, R.X.; SHVETSOV, P.F.; VYKHODTSEV, A.P.; KOTOVA,
A.I.; KASHKOVSKIY, G.N.; LOSEV, F.I.; ROMANOVSKAYA, L.I.;
PROKHOROV, S.P.; MATVEYEV, A.K., dots., retsenzent; CHEL'TSOV,
M.I., inzh., retsenzent; KUDASHOV, A.I., otv. red.; PETRYAKOVA,
Ye.P., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

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(MIRA 15:7)

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(Coal geology) (Mine water)

1. KATSKOV, A. I.; DASHCVA, A. D.
2. USSR (600)
4. Iron Ores--Kuznetsk Basin
7. Report on the activity of the aeromagnetic expedition for 1944 in the Eastern Sayan, and in the northern part of the Kuznetsk Basin and the Juznetsk Ala Tau. Igv. Glav. upr. geol. fon. no. 3 1947.
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KATSKOV, A.I.

Using a gravitational gradientmeter for prospecting pyrite deposits.
Rasved. i ekh.nedr 23 no.1:41-48 Ja '57. (MLRA 10:3)

1. Zapadnyy geofizicheskiy trakt.
(Pyrites) (Prospecting—Geophysical methods)

In 1955 experimental gravimetric operations were conducted in Karelia using a variometer and a gradient meter.

The work involved initial tests of a new device, a gravitational gradient meter in geophysical prospecting for pyrite deposits.

The device approaches variometers in accuracy but has a considerably higher productivity. The gravimetric prospecting laboratory of the All-Union Institute of Prospecting Methods and Techniques is credited with having built the device.

The author describes the methods used, the geological, mineralogical and gravitational findings, illustrating his text with charts and graphs. He states in his conclusions that for exploratory-prospecting problems the gradient meter should be used while the gravimeter can be recommended for large-area or general surveying.

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Use of geophysical methods in geological surveying and prospecting
in Sweden. Razved. i okh. nedr 28 no.8:58-61 Ag '62.

1. Zapadnyy geofizicheskiy trest.

(MIRA 15:8)

(Sweden--Prospecting--Geophysical methods)

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Geophysidal operations in Sweden. Geofiz. razved. no.11:
50-65 '63. (MIRA 16:8)

(Sweden—Prospecting—Geophysical methods)

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Incidence of and susceptibility to tuberculosis among the rural population; from data of a provincial antituberculosis dispensary in the Ukrainian SSR. Probl. tuberk. 41 no.2: 5-7'63
(MIRA 17:2)

1. Iz Nikolayevskogo oblastnogo protivotuberkuleznogo dis-
pansera (glavnyy vrach - zasluzhennyy vrach UkrSSR A.S.
Lyapis).

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Cure in pulmonary tuberculosis. Probl.tub. 38 no.6:105-106 '60.
(MIRA 13:11)
1. Iz Nikolayevskogo oblastnogo protivotuberkuleznogo dispensera
(glavnnyy vrach - zasluzhennyy vrach USSR A.S. Lyapis).
(TUBERCULOSIS)

CZECHOSLOVAKIA/Human and Animal Physiology. Neuromuscular
APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721130006-1"

Abstr Jour: Ref Zhur-Biol., No 8, 1958, 36802.

Author : Vyklicky, L., Katslovia, J.
Inst :

Title : Data of Electromyographic Investigation of Some Masticatory Muscles under Physiological Conditions.

Orig Pub: Ceskosl. Stomatol., 1957, No 2, 39-46.

Abstract: EMG's of masticatory muscles at a rate 125 cm/sec were investigated. The mean duration of the action potentials averaged 5.3 msec for the temporal muscle, 4.6 msec for the masseter, 4.3 msec for the internal pterygoid muscle during the closing of the jaws, and 4.7 msec during mastication. The mastication muscle

Card : 1/2

Card : 2/2

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Brief news. Zdrav.Bel. 7 no.11;79 N '61. (MIRA 15:11)
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(WHITE RUSSIA--HOSPITALS)

KATSMAN, A.B., red.; GAVRIN, P.N., tekhn.red.

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nonferrous metallurgy] Avtomatizatsiya proizvodstvennykh
protsessov v chernoi i tsvetnoi metallurgii. Moskva, 1959.
130 p.
(MIRA 13:3)

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(Metallurgical plants) (Automatic control)

DEVKIN, M.M.; SEVAST'YANOV, N.D.; KRYMSKIY, I.I., inzh., retsenzент;
KATSMAN, A.B., inzh., red.; MARKIZ, Yu.L., inzh., red. izd-
va; MAKAROVA, L.A., tekhn. red.; GORDEYEVA, L.P., tekhn.red.

[Cleaning surfaces of parts with metal sand] Ochistka poverkh-
nostei detalei metallicheskim peskom; iz zavodskogo opyta.
Moskva, Mashgiz, 1963. 86 p.
(Shot peening) (MIRA 16:7)

KATSAUN, A. D.

"On the Theory of Semigroups in Groups." Cand Phys-Math Sci, Ural State
U imeni A.M. Gor'kiy, Min Higher Education USSR, Sverdlovsk, 1955. (KL. No 14, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations
Defended at USSR Higher Educational Institutions (16).

KATSMIAN, H-D.

SUBJECT USSR/MATHEMATICS/Algebra CARD 1/2 PG - 984
AUTHOR KONTOROVICH P.G., KACMAN A.D.
TITLE Some types of elements of a semigroup being invariant in a group.
PERIODICAL Uspechi mat.Nauk 11, 3, 145-150 (1956)
reviewed 7/1957

The paper joins two papers of Kontorovich (Doklady Akad.Nauk 93, 229-231 (1953); Kazan.Gos.Univ.Zap. 114, 8, 35-43 (1954)). Let G be a torsion-free group, S a fixed invariant semigroup with unity in G which contains no inverses of its elements. A set A<S is called an ideal if SA<A; ideals are two-sided. An ideal A is called isolated if from $x^n \in A$ there follows that $x \notin A$. The isolator I(A) of an ideal A is the intersection of all isolated ideals containing A. It also is the set of all elements a power of which lies in A. An ideal is called a prime ideal if its complement is a semigroup in S. An element $a \in S$ is called isolated if the principal ideal Sa is isolated; it is called undecomposable if every representation $a = uv$ is trivial; it is called prime if Sa is a prime ideal. An element can be isolated and undecomposable but no prime ideal, or it can be undecomposable but not isolated.

KATSMAN, A.D.

SUBJECT USSR/MATHEMATICS/Algebra
AUTHOR KACMAN A.D.
TITLE On some properties of a semigroup being invariant in the group.
PERIODICAL Uspechi mat.Nauk 11, 2, 179-183 (1956)
reviewed 1/1957

CARD 1/81 PG - 482

Let \mathcal{T} be a semigroup. According to Kantorovich, the sub-semigroup \mathcal{O}_1 of \mathcal{T} has a periodic index in \mathcal{T} if for every element $g \in \mathcal{T}$ there exists a number n such that $g^n \in \mathcal{O}_1$. A semigroup is called pure if it possesses no inverse elements beside of the unity. The author proves the following theorems:
1. Let the semigroup \mathcal{T} be invariant in the group \mathcal{Q} . Let \mathcal{O}_1 be the totality of all elements of \mathcal{T} which in \mathcal{T} produce principal ideals with periodic index. Let \mathcal{L} be the totality of all elements of \mathcal{T} which in \mathcal{T} produce principal ideals with non-periodic index. Then \mathcal{O}_1 is an invariant sub-semigroup in \mathcal{T} and \mathcal{L} is an invariant prime ideal in \mathcal{T} .
2. Let \mathcal{T} be a pure semigroup being invariant in the group \mathcal{Q} . In order that all principal ideals possess periodic indices in \mathcal{T} it is necessary and sufficient that in \mathcal{T} there exist no proper prime ideals beside of $\mathcal{T} \setminus 1$.
3. Let \mathcal{T} be a pure semigroup being invariant in \mathcal{Q} . All principal ideals $\mathcal{T}a$, $a \in \mathcal{T}$ shall possess periodic indices in \mathcal{T} . Let the commutator of an arbitrary pair of elements of \mathcal{T} belong to $\mathcal{T}' = \mathcal{T} \cup \mathcal{T}^{-1}$. Then \mathcal{T} is commutative.

For proof of theorems, author uses results of Kantorovich

KATSMAN, A.V.; TIKHOMIROV, S.V.

Results of prospecting operations in the Kaluga area. Trudy
SGPK no.3:47-66 '62. (MIRA 15:10)
(Kaluga region—Gas, Natural—Storage)
(Prospecting)

KATSMAN, A.Ya., inzh.; SABALDYR', V.P., inzh.

Completely mechanized and continuous operations for building a
system of irrigation canals. Mekh. stroi. 21 no.1:3-5 Ja
'64.
(MIRA 17:4)

KATSMAN, A.Ya.

[Medical X-ray technique] Meditsinskaya rentgenotekhnika.
[Leningrad] Medgiz, 1957. 663 p. (MIRA 11:4)
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LINDENBRATEN, Leonid Davidovich; KATSMAN, A.Ya., red.; RUL'VA, M.S.,
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[Methods for interpreting X-ray pictures] Metodika chteniya
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Medgiz, Leningr.otd-nie, 1960. 361 p.

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TIKHONOV, Konstantin Borisovich; KATSMAN, A.Ya., red.; SAFRONOVA, I.N.,
tekhn. red.; KHARASH, G.A., tekhn. red.

[Angiography; methods and techniques for contrast study of the
blood vessels and cavities of the heart] Angiografiia; metodika
i tekhnika kontrastnogo issledovaniia krovenosnykh sosudov i
polostei serdtsa. Leningrad, Medgiz, 1962. 279 p.

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"Medical x-ray technic by Herbert Schön. Reviewed by A.IA.Katsman.
Vest. rent. i rad. 36 no.6184-85 N-D '61. (MIRA 15:2)
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